

“TOWARDS TRANSNATIONAL E-MOBILITY – EUROPEAN INSIGHTS ON CHARGING TECHNOLOGIES AND THE ELECTRIFICATION OF HEAVY TRANSPORT”

25 October 2012, Gothenburg, Sweden

International Conference organized by Lindholmens Science Park and Elforsk in the frame of the Interreg IVB project E-Mobility NSR (www.e-mobility-nsr.eu)

Background

In order to achieve reduced green house gas emissions from the transport sector, there is a need to go from policies to actions. Throughout Europe a number of measures have been taken to stimulate and foster the use of electric vehicles of different types. This conference gives insights on policy plans for reduced use of fossil fuel and increased e-mobility, research on consumer – vehicle interaction as well as development of electric vehicle technology. There will be a focus towards the electrification of heavy transport and its yet untapped potential.

The conference is arranged by Lindholmen Science Park and Elforsk as an activity within the EU-funded project North Sea Region Electric Mobility Network (E-Mobility NSR). The project strives to create favourable conditions to promote the common development of e-mobility in the North Sea Region.

Aims

- Discuss measures on how to prepare regions and cities for electric vehicles, taking views from policymakers, industry and EV users into account.
- Discuss the potential as well as the technologies related to the electrification of heavy road transport.
- Networking among the participants and speakers.

An accompanying exhibition showcases local initiatives, companies and new research.

Interested persons/companies are requested to contact the organizing team.

Participants:

The organizers expect around 100-150 participants from academia, enterprises, public authorities and non-governmental organizations taking part in the event.

Registration is closed

Conference venue

Lindholmen Conference Centre
Lindholmospiren 5
402 78 Gothenburg
Sweden

Organisation:

Team Sweden:

Martin Borgqvist, Dr Peter Öhman, Lindholmens Science Park, Sweden

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Conference moderator: Jakob Lagercrantz, consultant within sustainable development and chairman of Green Motorists (Gröna Bilister).



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Conference Programme

9:00 **Registration and welcome coffee, exhibition opens**

9:30 – 10:00 **Welcome and short introduction**

Anette Thorén, Gothenburg Public Transport Authority, Sweden
Dr. Peter Öhman, Lindholmen Science Park, Sweden

Insights into e-mobility policies, EV user experiences and EV production issues

10:00 – 10:20 **Governmental investigation on a fossil independent vehicle fleet**

Professor Thomas B Johansson, appointed investigator by the Swedish government, Sweden

The Swedish Parliament has decided that Sweden should have a vehicle fleet that is independent of fossil fuels by 2030. The government has started an investigation on possible actions and policy measures to reach this goal and Professor Thomas B Johansson is appointed by the government to conduct this investigation.

10:20 – 10:40 **How to reach a fossil independent vehicle fleet by 2030**

Håkan Sköldberg, Profu, Sweden

Profu was commissioned by Elforsk to analyze how the goal on a fossil independent vehicle fleet can be achieved. The analytical work concludes with a Roadmap to concretely specify what must be done today and until 2030 to reach the target.

10:40 – 11:10 **European Consultation on E-Mobility**

Dr. Sjoerd Bakker, Delft University of Technology, The Netherlands

The presentation discusses the outline and results of an international expert meeting on local policies to stimulate e-mobility. Policy-makers from various cities across the North Sea Region exchanged know-how and experiences, and discussed the effectiveness, efficiency and feasibility of a wide range of policy measures.

11:10 – 11:30 *Coffee break*

11:30 – 11:50 **User Experiences with EVs**

Dr. Maria Nilsson, Viktoria Institute, Sweden

The Viktoria Institute is involved in several exciting projects under the application area Electric and Hybrid Vehicles, ranging from smart charging and IT solutions for electric vehicles to user studies with drivers.



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11:50 – 12:10 Volvo's Views on Electric Cars

Johan Konnberg, Volvo Cars, Sweden

Volvo has in the last four years launched a test and demonstration program consisting of 250 electric cars in order to build knowledge on the technology. Electric cars have been deployed in different parts of Europe.

12:10 – 13:10 Lunch

Session 2: Electrification of Heavy Transport

13:10 – 13:30 International Outlook on Electrification of Heavy Transport

Sten Bergman, Stone Power AB, Sweden

The presentation will give a global overview of heavy transport and its market and technology perspectives.

13:30 – 13:50 Utilisation of Electric Trucks and Vans in the North Sea Region

Michael Laugesen, FDT - Association of Danish Transport and Logistics Centres, Denmark

FDT is a public non-profit organisation approved by the Danish Ministry of Transport. The organization has more than 20 years of experience in working with Transport and Logistics Centres focusing on promoting the utilization and development of sustainable transport solutions. FDT has collected experiences from utilization of electric trucks and vans from Belgium, the Netherlands, Norway, Germany and Denmark.

13:50 – 14:10 The Potential of Electrification of Buses

Edward Jobson, Volvo Bus Corporation, Sweden

Volvo Buses have been working with hybrid technology for many years and is currently developing a plug-in hybrid bus that can drive long distances on only electricity. Three buses will be tested in Gothenburg, Sweden, supported by the European Union.

14:10 – 14:30 Coffee break

14:30 – 14:50 Electrified Roads

Per Ranch, Svenska Elvägar AB, Sweden

The ambition of Svenska Elvägar (Swedish Electric Roads for Heavy Traffic) is to operate and manage the establishment of the world's first demo environment for electrically operated heavy goods vehicles.

14:50 – 15:10 eHighway, Siemens

Presentation Confirmed, speaker to be announced

Siemens has developed a concept for electrified road freight traffic called eHighway. The concept has been shown on a test track that has been built in Germany.



15:10 – 15:30 Slide in technology for continuous charging of electric vehicles

Richard Sebestyén, Project manager for the project “Slide-in”

The project “Slide-in technology for continuous charging of electric vehicles” involves partners from the automotive industry, the utility sector, academy and authorities. The purpose is to jointly investigate and evaluate methods for transferring electricity between road and vehicle.

15:30– 16:00 SolaRoad, the road that generates our mobility and pays for itself

Sten de Wit, Phd. Msc of TNO, The Netherlands

Within the SolaRoad innovation programme, TNO (Netherlands Organization for Applied Scientific Research) in partnership with the province of Noord-Holland are working on a unique road concept that converts sunlight into electricity for electric vehicle charging.

16:00 – 16:10 Wrap-up

Dr. Peter Öhman, Lindholmen Science Park, Sweden

16:10 Conference end

16:30 Exhibition closes